

Inventors: Alexander Greenspan et al.
Docket No.: 25797-00002

CLAIMS

Having thus described the invention, we claim:

1. An exercise device comprising:

a base; and

a platform rotatably tiltably connected to said base for continuous passive motion.
2. The exercise device of claim 1 further comprising a roller bearing located within said base to assist in permitting the rotatable tiltable motion of said platform relative to said base.
3. The exercise device of claim 1 wherein said base is manufactured from molded plastic.
4. The exercise device of claim 1 wherein said platform is manufactured from molded plastic.
5. The exercise device of claim 4 wherein said platform has a foot engaging top surface.
6. The exercise device of claim 5 wherein said foot engaging top surface includes a traction control surface.
7. The exercise device of claim 6 wherein said traction control surface comprises a rubber sheet.

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8. An exercise device comprising:
 - a base having a ground-engaging bottom surface and top surface having a concave surface therein;
 - a platform having a foot engaging top surface and a bottom surface having a convex surface extending therefrom;
 - wherein said convex surface nests within said concave surface permitting said platform to be rotatably tiltable relative to said base.
9. The exercise device of claim 8 wherein said platform is rotatably tiltable to said base for continuous passive motion.
10. The exercise device of claim 9 further comprising at least one roller bearing located within said base and extending beyond said concave surface into contact with said convex surface to assist in permitting the rotatable tiltable motion of said platform relative to said base.
11. The exercise device of claim 10 having three roller bearings located within said base and located approximately 120° apart.
12. An exercise device comprising:
 - a base;

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a platform rotatably tiltably connected to said base;

a motor housed within said base, said motor driving said platform for continuous active motion relative to said base during activation.

13. The exercise device of claim 12 wherein said base further comprises an upwardly facing concave surface and wherein said platform further comprises a downwardly facing convex surface, wherein said convex surface nests within said concave surface permitting said platform to be rotatably tiltable relative to said base.

14. The exercise device of claim 13 wherein said downwardly facing convex surface is offset from the center of said platform.

15. The exercise device of claim 14 further comprising a ball joint extending from said convex surface, said concave surface having an aperture therein providing access to the interior of said base through which the ball joint extends, and a driven pulley mounted within said base and having an offset ball pocket therein for receivably mounting said ball joint so that rotation of said driven pulley imparts rotatably tiltable motion to said platform.

16. The exercise device of claim 15 wherein said driven pulley is driven by a timing belt connected to said motor.

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17. The exercise device of claim 16 wherein the length of said ball joint is adjustable relative to said convex surface.
18. The exercise device of claim 17 wherein said base is manufactured from molded plastic.
19. The exercise device of claim 17 wherein said platform is manufacture from molded plastic.
20. The exercise device of claim 19 wherein said platform has a foot engaging top surface.
21. The exercise device of claim 20 wherein said foot engaging top surface includes a traction control surface.
22. The exercise device of claim 21 wherein said traction control surface comprises a rubber sheet.
23. An exercise device comprising:
 - a base;
 - a platform rotatably tiltably connected to said base wherein said platform is rotatably tiltably connected to said base at a position offset from the center of said platform;

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a motor housed within said base, said motor driving said platform for continuous active motion relative to said base during activation.

24. The exercise device of claim 23 wherein said motor is operated through the use of a remote control device.